CONFLUENT PLATFORM

GUI-driven management and monitoring

Confluent Platform offers intuitive GUIs for managing and monitoring Apache Kafka®. These tools allow developers and operators to centrally manage and control key components of the platform, maintain and optimize cluster health, and use intelligent alerts to reduce downtime by identifying potential issues before they occur.

Why GUI-driven management and monitoring?

Given the rising popularity of Kafka, combined with the inherent complexity of managing a highly distributed system, Kafka technical expertise is scarce and in high demand. So, how do you enable different types of users to be successful?

- Operators — When looking to manage Kafka at large enterprise scale, you need a simple way to manage multiple Kafka clusters at once, and to parse through all the metrics to meet SLAs around availability, performance and security.
- Developers — Developers need an intuitive way to understand and manage messages, topics, schemas, connectors and stream processing apps within Kafka, all of which are needed to solve business problems.

Confluent Platform dramatically simplifies managing and monitoring Kafka clusters at large scale through the use of expert-designed GUIs. These tools provide the visibility to key metrics needed to proactively maintain the health of your environment and to minimize the risk of downtime and business disruption.

Features

**Control Center**

Control Center is a self-hosted GUI with expert-designed dashboards to enable centralized management and monitoring of key components of the platform, including clusters, brokers, schemas, topics, messages, connectors, ksqlDB queries, security, replication and more.

**Health+**

Health+ is a Confluent-hosted, web-based GUI that offers intelligent alerting and monitoring tools to reduce the risk of downtime, streamline troubleshooting, surface key metrics, and accelerate issue resolution. It helps offload monitoring costs related to storing historical data and is built on Confluent’s deep understanding of data in motion infrastructure.
Solution

**Accelerate application development and integration**

**Management of messages, topics and schemas**
Observe and control messages, topics and Schema Registry, all in a centralized way with a single Kafka UI.

**Management of Kafka connectors**
Centrally manage all your connectors that are built on the Kafka Connect framework in one place.

**Management of ksqlDB**
View a summary of all ksqlDB clusters, develop and run queries, and support multiple ksqlDB clusters at a time.

**Track key metrics and monitor system health**

**Assured message delivery**
Track the key performance indicators for Apache Kafka. Use intuitive charts to track and receive alerts for consumer lag as well as production and consumption metrics such as throughput, request latency, and failed requests.

**Real-time and historical visualizations**
View all your critical health metrics over time through a self-hosted or scalable, cloud-based solution. Gain visibility into the Broker and ZooKeeper uptime, under replicated partitions, out of sync replicas, and disk usage and distribution.

**Monitor multi-site deployments**
Monitor replication tasks directly from the GUI through integration with Multi-Region Clusters and Replicator. This allows you to track key metrics such as throughput and lag.

**Centralize Kafka management operations**

**Scalable security management**
Simplify security management for the entire organization through integration with RBAC. This allows you to view and manage access permissions for yourself and others.

**Dynamic broker configuration**
Simplify at-scale operations using a centralized dashboard to view broker configurations and modify them dynamically without resorting to rolling restarts.

**Centralized cluster management**
Centralize operations not only for multiple Kafka clusters, but also for multiple Connect, ksqlDB, and Schema Registry clusters.

**Simplify Kafka troubleshooting**

**Identification of problems before they occur**
Keep your clusters running smoothly and ensure high availability with intelligent alerts based on expert-tested rules and algorithms.

**Confluent-backed recommendations**
Optimize your deployments based on best practices from the inventors of Apache Kafka, tuned from managing over 5,000 clusters in Confluent Cloud.

**Streamlined support experience**
Expedite issue resolution time through a streamlined support experience by providing Confluent experts with secure access to historical metadata without manual data entry.

Confluent Platform. Enterprise data in motion platform built by the original creators of Apache Kafka. For more information, please visit confluent.io. To contact us, visit confluent.io/contact. For detailed product specifications, please refer to our documentation.